

| Ref # | Hits | Search Query  | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|------|---|------------------------------|------------------|---------|------------------|
| L1    | 7    | Yun near Cheol near Jeong   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2005/10/19 20:32 |
| L2    | 21   | Chang near yeon near kim  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2005/10/19 20:32 |
| L3    | 6    | Chang-yeon near kim   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2005/10/19 20:32 |
| L4    | 4    | Yun-Cheol near Jeong  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2005/10/19 20:32 |
| S7    | 1450 | 345/98,100.ccls.  | USPAT                        | OR               | ON      | 2005/10/19 20:31 |
| S8    | 416  | S7 and ((IC (integrat\$3 adj circuit)) with (driver data column source scanning row))   | USPAT                        | OR               | ON      | 2005/10/17 15:17 |
| S9    | 0    | S7 and ((IC (integrat\$3 adj circuit)) with (driver data column source scanning row)) near2 pulse near3 width near3 (enlarg\$3 reduc\$3 increas\$3 expand\$3 varied varying vary differen\$3 chang\$3)        | USPAT                        | OR               | ON      | 2005/10/17 15:19 |
| S10   | 50   | S7 and ((IC (integrat\$3 adj circuit)) with (driver data column source scanning row)) near3 (enlarg\$3 reduc\$3 increas\$3 expand\$3 varied varying vary differen\$3 chang\$3)                                | USPAT                        | OR               | ON      | 2005/10/17 15:22 |
| S11   | 24   | S10 and (@ad<="19980627")   | USPAT                        | OR               | ON      | 2005/10/17 15:25 |
| S12   | 0    | S7 and ((IC (integrat\$3 adj circuit)) with (driver data column source scanning row)) near3 (enlarg\$3 reduc\$3 increas\$3 expand\$3 varied varying vary differen\$3 chang\$3) near3 (pulse period interval)  | USPAT                        | OR               | ON      | 2005/10/17 15:24 |
| S13   | 6863 | 345/87-100,690-699,204,208-215.ccls.  | USPAT                        | OR               | ON      | 2005/10/18 13:34 |
| S14   | 3    | S13 and ((IC (integrat\$3 adj circuit)) with (driver data column source scanning row)) near3 (enlarg\$3 reduc\$3 increas\$3 expand\$3 varied varying vary differen\$3 chang\$3) near3 (pulse period interval) | USPAT                        | OR               | ON      | 2005/10/17 15:24 |

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| S15 | 31  | S13 and ((IC (integrat\$3 adj circuit)) with (driver data column source scanning row)) with (enlarg\$3 reduc\$3 increas\$3 expand\$3 varied varying vary differen\$3 chang\$3) near3 (pulse period interval)   | USPAT | OR | ON | 2005/10/17 15:27 |
| S16 | 10  | S15 and (@ad<="19980627")  | USPAT | OR | ON | 2005/10/17 15:27 |
| S17 | 5   | S13 and ((IC (integrat\$3 adj circuit)) with (driver data column source scanning row)) near (enlarg\$3 reduc\$3 increas\$3 expand\$3 varied varying vary differen\$3 chang\$3)   | USPAT | OR | ON | 2005/10/17 15:28 |
| S18 | 2   | S17 and (@ad<="19980627")  | USPAT | OR | ON | 2005/10/17 15:28 |
| S19 | 109 | S13 and ((IC (integrat\$3 adj circuit)) with (driver data column source scanning row)) near3 (enlarg\$3 reduc\$3 increas\$3 expand\$3 varied varying vary differen\$3 chang\$3)  | USPAT | OR | ON | 2005/10/17 15:39 |
| S20 | 52  | S19 and (@ad<="19980627")  | USPAT | OR | ON | 2005/10/17 15:41 |
| S21 | 423 | S13 and ((IC (integrat\$3 adj circuit)) with (driver data column source scanning row gate horizontal vertical)) with (enlarg\$3 reduc\$3 increas\$3 expand\$3 varied varying vary differen\$3 chang\$3)  | USPAT | OR | ON | 2005/10/17 15:40 |
| S22 | 484 | ((IC (integrat\$3 adj circuit)) with (driver data column source scanning row gate horizontal vertical)) with (enlarg\$3 reduc\$3 increas\$3 expand\$3 varied varying vary differen\$3 chang\$3) and (pulse interval period)).clm.                                    | USPAT | OR | ON | 2005/10/17 15:41 |
| S23 | 347 | S22 and (@ad<="19980627")  | USPAT | OR | ON | 2005/10/17 15:42 |
| S24 | 54  | ((IC (integrat\$3 adj circuit)) and (driver data column source scanning row gate horizontal vertical)) and (enlarg\$3 reduc\$3 increas\$3 expand\$3 varied varying vary differen\$3 chang\$3) and (pulse interval period) and (liquid adj crystal adj display)).clm. | USPAT | OR | ON | 2005/10/17 15:51 |
| S25 | 31  | S24 and (@ad<="19980627")  | USPAT | OR | ON | 2005/10/17 15:51 |

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| S26 | 9     | ((((IC (integrat\$3 adj circuit)) and (driver data column source scanning row gate horizontal vertical)) and (modulat\$3) and (pulse interval period) and (liquid adj crystal adj display)).clm.  | USPAT | OR | ON | 2005/10/17 16:00 |
| S27 | 8     | S26 and (@ad<="19980627")   | USPAT | OR | ON | 2005/10/17 16:02 |
| S28 | 128   | ((((IC (integrat\$3 adj circuit)) with (driver data column source scanning row gate horizontal vertical)) with (modulat\$3 reduc\$3 increas\$3 extend\$3 expand\$3 differen\$3 chang\$3 vary vary\$3 varied) with (pulse width interval period) and (liquid adj crystal adj display)) | USPAT | OR | ON | 2005/10/17 18:52 |
| S29 | 61    | S28 and (@ad<="19980627")   | USPAT | OR | ON | 2005/10/17 18:53 |
| S30 | 2     | "6504522"   | USPAT | OR | ON | 2005/10/17 18:09 |
| S31 | 6     | "6175351"   | USPAT | OR | ON | 2005/10/17 18:09 |
| S32 | 2     | "6064459"   | USPAT | OR | ON | 2005/10/17 18:09 |
| S33 | 1     | "5311169".pn.   | USPAT | OR | ON | 2005/10/17 18:40 |
| S34 | 0     | S33 and ((liquid adj crista adj display) lcd)   | USPAT | OR | ON | 2005/10/17 18:40 |
| S35 | 1     | S33 and ((liquid adj crystal adj display) lcd)  | USPAT | OR | ON | 2005/10/17 18:41 |
| S36 | 0     | S35 and distort\$4  | USPAT | OR | ON | 2005/10/17 18:41 |
| S37 | 157   | ((((IC (integrat\$3 adj circuit)) with (driver data column source scanning row gate horizontal vertical)) with (narrow\$4 wid\$3) with (pulse width interval period) and (liquid adj crystal adj display))  | USPAT | OR | ON | 2005/10/17 18:52 |
| S38 | 34    | ((((IC (integrat\$3 adj circuit)) with (driver data column source scanning row gate horizontal vertical)) with (narrower wider smaller larger) with (pulse width interval period) and (liquid adj crystal adj display))   | USPAT | OR | ON | 2005/10/17 18:55 |
| S39 | 10    | S38 and (@ad<="19980627")   | USPAT | OR | ON | 2005/10/17 18:55 |
| S40 | 2182  | ((((driver data column source scanning row gate horizontal vertical)) with (narrower wider smaller larger) with (pulse width interval period) and (liquid adj crystal adj display))   | USPAT | OR | ON | 2005/10/18 11:23 |
| S41 | 1123  | S40 and (@ad<="19980627")   | USPAT | OR | ON | 2005/10/18 11:24 |
| S42 | 35581 | "345"/\$.ccls.  | USPAT | OR | ON | 2005/10/17 18:55 |

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| S43 | 341 | S41 and S42   | USPAT                  | OR | ON | 2005/10/17 18:56 |
| S44 | 5   | ("3921166"   "5051739"   "5153568"   "5430461"   "5719591").PN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/17 19:13 |
| S45 | 14  | ("3955187"   "4613854"   "4640582"   "4743096"   "4845482"   "4870398"   "4873516"   "4925277"   "4945352"   "5010326"   "5010328"   "5130703"   "5247376"   "5583533").PN.                 | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/18 09:54 |
| S46 | 47  | ("4845482").URPN.   | USPAT                  | OR | ON | 2005/10/18 10:11 |
| S47 | 14  | ("3532813"   "3765011"   "3955187"   "3995942"   "4485380"   "4511926"   "4640582"   "4649383"   "4655550"   "4660030"   "4702560"   "4703305"   "4712876").PN.                             | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/18 10:31 |
| S48 | 2   | ("5194853"   "5666131").PN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2005/10/18 11:19 |
| S49 | 191 | (((driver data column source scanning row gate horizontal vertical)) with (narrower wider smaller larger) with (pulse width interval period) and (liquid adj crystal adj display))          | EPO; JPO               | OR | ON | 2005/10/18 11:28 |
| S50 | 119 | S49 and (@ad<="19980627")   | EPO; JPO               | OR | ON | 2005/10/18 11:28 |
| S51 | 56  | (((driver data column source scanning row gate horizontal vertical)) with (narrower wider smaller larger) near (pulse width interval period) and (liquid adj crystal adj display))          | EPO; JPO               | OR | ON | 2005/10/18 11:29 |
| S52 | 39  | S51 and (@ad<="19980627")   | EPO; JPO               | OR | ON | 2005/10/18 11:29 |
| S53 | 56  | (((driver data column source scanning row gate horizontal vertical)) with (narrower wider smaller larger) near (pulse width interval period waveform) and (liquid adj crystal adj display)) | EPO; JPO               | OR | ON | 2005/10/18 11:29 |
| S54 | 0   | (((driver data column source scanning row gate horizontal vertical)) with (narrower wider smaller larger) near ( waveform) and (liquid adj crystal adj display))                            | EPO; JPO               | OR | ON | 2005/10/18 11:29 |

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| S55 | 0   | ((((driver data column source scanning row gate horizontal vertical)) with (narrower wider smaller larger) near (waveform) and (liquid adj crystal adj display))  | EPO; JPO                     | OR | ON | 2005/10/18 11:29 |
| S56 | 54  | ((((driver data column source scanning row gate horizontal vertical)) with (narrower wider smaller larger) near (waveform width interval period) and (liquid adj crystal adj display))  | EPO; JPO                     | OR | ON | 2005/10/18 11:31 |
| S57 | 37  | S56 and (@ad<="19980627")   | EPO; JPO                     | OR | ON | 2005/10/18 11:32 |
| S58 | 672 | 345/94.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/10/18 11:31 |
| S59 | 25  | S58 and (((driver data column source scanning row gate horizontal vertical)) with (narrower wider smaller larger) near (waveform width interval period) and (liquid adj crystal adj display))                                       | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/10/18 11:32 |
| S60 | 25  | S58 and (((driver data column source scanning row gate horizontal vertical)) with (narrower wider smaller larger decreaser increaser expander extender) near (waveform width interval period) and (liquid adj crystal adj display)) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/10/18 11:54 |
| S61 | 14  | S60 and (@ad<="19980627")   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/10/18 11:54 |
| S62 | 3   | ("4649383"   "5119219"   "5283564").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/10/18 11:45 |
| S63 | 8   | shimizu near kan  | USPAT                        | OR | ON | 2005/10/18 11:45 |
| S64 | 9   | ("4804924"   "5010326"   "5400086"   "5434453"   "5442406"   "5493341"   "5684502"   "5703608"   "5940057").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/10/18 11:47 |
| S65 | 5   | ("6259425").URPN.   | USPAT                        | OR | ON | 2005/10/18 11:50 |
| S66 | 4   | ("5457474"   "6222516"   "6259425"   "6331844").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/10/18 11:51 |
| S67 | 41  | S58 and (((driver data column source scanning row gate horizontal vertical)) with (adjust\$3 distor\$4) near (waveform width interval period) and (liquid adj crystal adj display))   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/10/18 13:35 |

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| S68 | 25   | S67 and (@ad<="19980627")  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/10/18 13:35 |
| S69 | 6874 | 345/87-100,690-699,204,208-215.<br>ccls.   | USPAT                        | OR | ON | 2005/10/18 13:35 |
| S70 | 110  | S69 and (((driver data column<br>source scanning row gate<br>horizontal vertical)) with (adjust\$3<br>distor\$4) near (waveform width<br>interval period) and (liquid adj<br>crystal adj display)) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/10/18 13:35 |
| S71 | 61   | S70 and (@ad<="19980627")  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/10/18 13:35 |
| S72 | 5    | yun near cheol near jeong  | USPAT                        | OR | ON | 2005/10/18 14:13 |
| S73 | 2    | yun near cheol near jeong  | US-PGPUB;<br>USOCR           | OR | ON | 2005/10/18 14:13 |
| S74 | 11   | chang near yeon near kim   | US-PGPUB;<br>USOCR           | OR | ON | 2005/10/18 14:54 |
| S75 | 8    | "6195077"  | USPAT                        | OR | ON | 2005/10/18 14:54 |
| S76 | 8    | ("5311169"   "5325107"  <br>"5398043"   "5561442"  <br>"5602560"   "5754152"  <br>"5841410"   "5859627").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/10/18 14:55 |
| S77 | 11   | ("5311169").URPN.  | USPAT                        | OR | ON | 2005/10/18 14:59 |
| S78 | 6    | ("4554539"   "4755724"  <br>"4801933"   "4837566"  <br>"4897639"   "5017914").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/10/18 15:01 |
| S79 | 4    | ("5657041").URPN.  | USPAT                        | OR | ON | 2005/10/18 15:03 |
| S80 | 6    | ("5365284"   "5657041"  <br>"5764213"   "5796379"  <br>"5900856"   "5940061").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/10/18 15:07 |
| S81 | 1    | ("6448976").URPN.  | USPAT                        | OR | ON | 2005/10/18 16:21 |
| S82 | 1    | "5311169".pn.  | USPAT                        | OR | ON | 2005/10/18 16:21 |
| S83 | 1    | S82 and (liquid adj crystal)   | USPAT                        | OR | ON | 2005/10/18 16:22 |